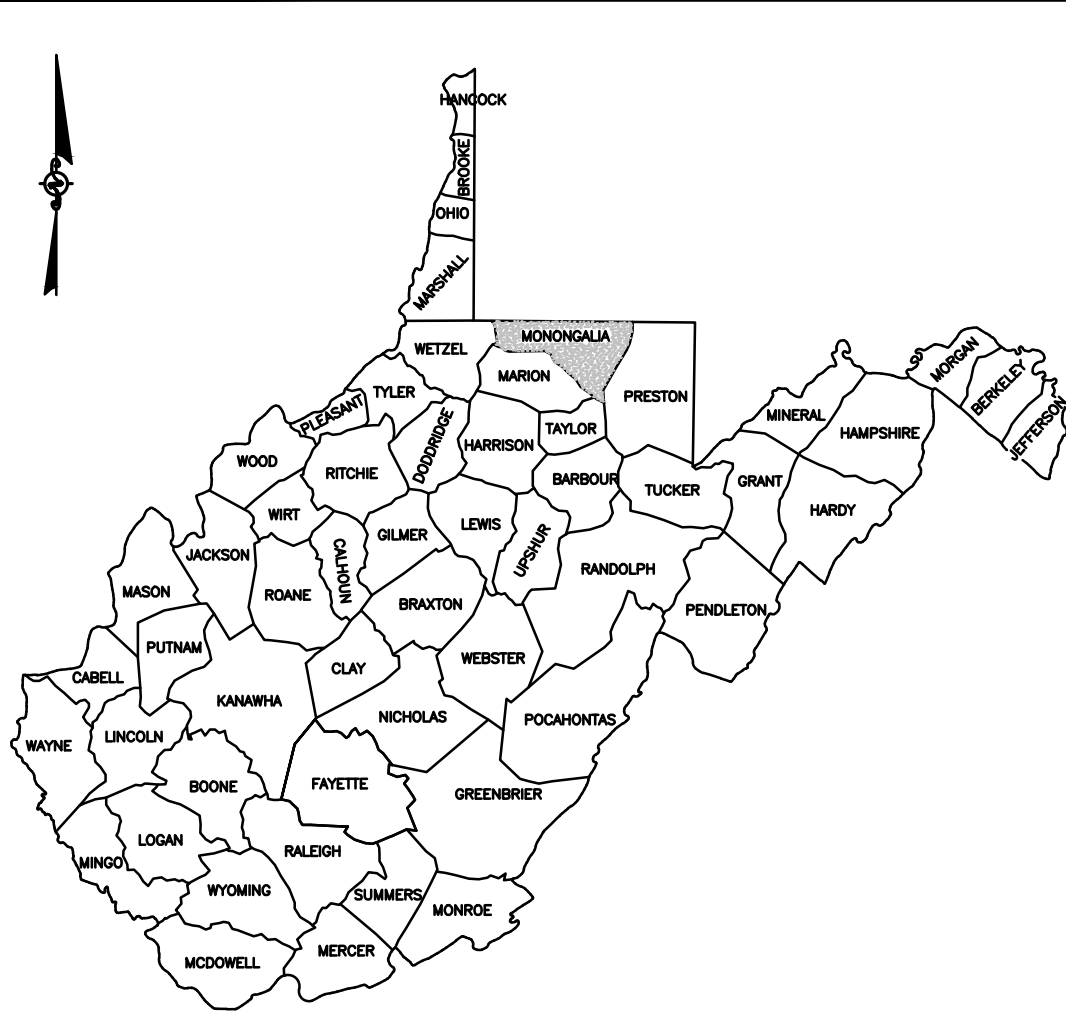


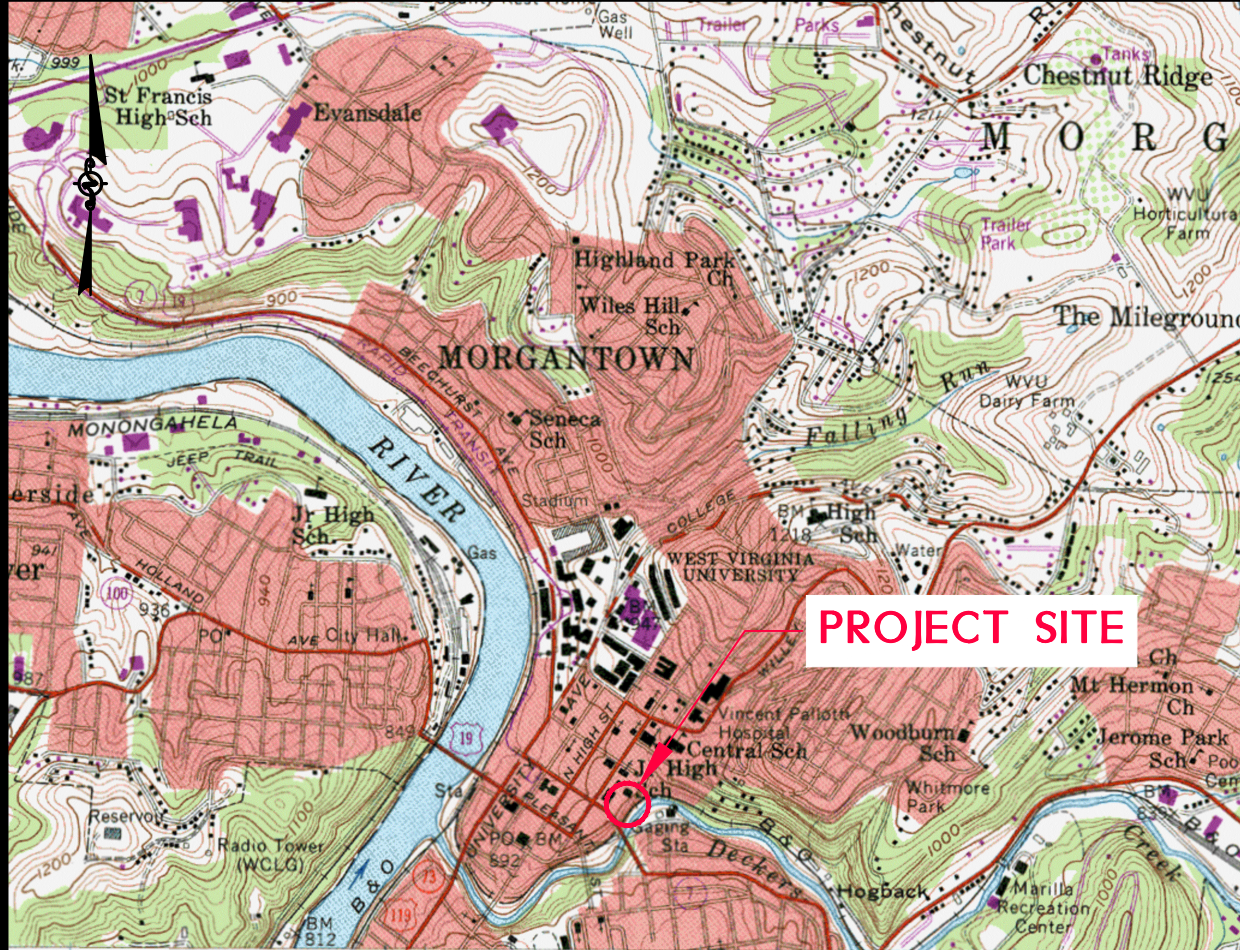
# ARMORY LOT RETAINING WALL

## MORGANTOWN PARKING AUTHORITY

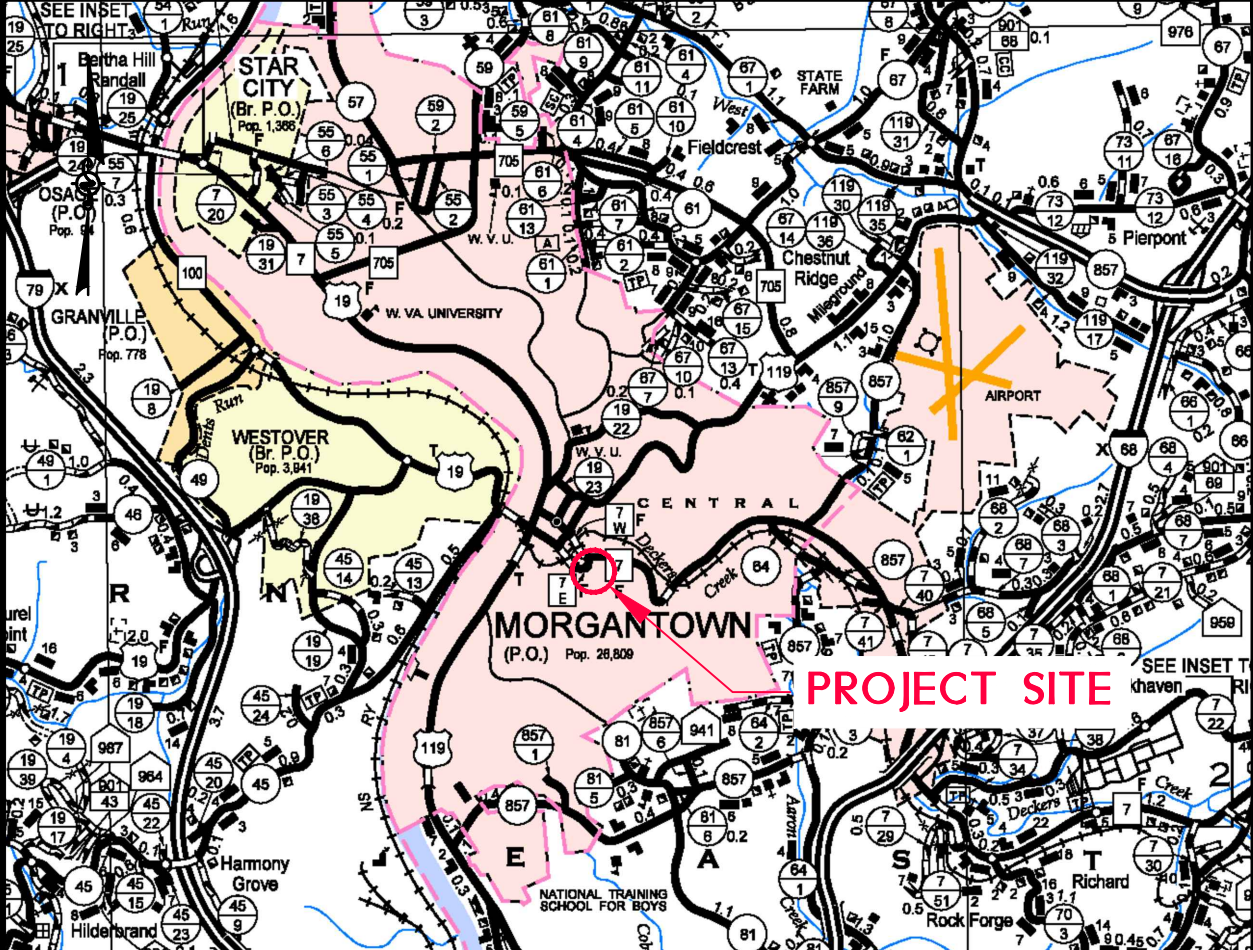
### MONONGALIA COUNTY, WEST VIRGINIA



WEST VIRGINIA



LOCATION MAP  
U.S.G.S. 7.5' QUADRANGLE  
QUADRANGLE - MORGANTOWN NORTH  
SCALE: 1" = 2000'



VICINITY MAP  
WV DIVISION OF HIGHWAYS  
COUNTY HIGHWAY MAP  
SCALE: 1" = 1 MILE

### DRAWING INDEX

DRAWING NO.	TITLE
1	COVER SHEET AND INDEX
2	GENERAL NOTES
3	EXISTING CONDITIONS
4	PROPOSED SITE PLAN
5	TYPICAL SECTION AND DETAILS

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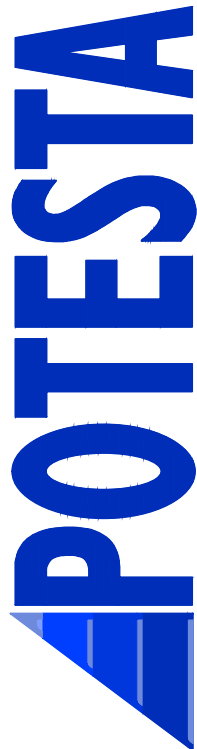


COVER AND INDEX SHEET  
300 SPRUCE STREET  
ARMORY LOT RETAINING WALL  
MONONGALIA COUNTY, WV

ISSUE DATE 03/09/2020

MORGANTOWN PARKING AUTHORITY  
300 SPRUCE STREET  
MORGANTOWN, WV 26505

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COVER  
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MARCH 2020  
Date:  
0102-19-0058  
Project No.



GENERAL NOTES

GENERAL CIVIL

- EXISTING FEATURES SHOWN ON THIS SITE PLAN WERE TAKEN FROM FIELD SURVEY BY POTESA AND ASSOCIATES, INC. ON MAY 16, 2019.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE STARTING WORK. ANY DISCREPANCIES FOUND BETWEEN THE DRAWINGS AND SITE CONDITIONS, OR ANY INCONSISTENCIES OR AMBIGUITIES IN THE DRAWINGS SHALL BE IMMEDIATELY REPORTED TO THE PROJECT'S OWNER IN WRITING, WHO SHALL PROMPTLY ADDRESS SUCH INCONSISTENCIES OR AMBIGUITIES. WORK DONE BY THE CONTRACTOR AFTER HIS DISCOVERY OF SUCH DISCREPANCIES, INCONSISTENCIES, OR AMBIGUITIES, WITHOUT RECEIVING A RESPONSE FROM THE PROJECT'S OWNER SHALL BE DONE AT THE CONTRACTOR'S RISK.
- CONTRACTOR SHALL FURNISH ALL MATERIALS, LABOR AND EQUIPMENT REQUIRED AND SHALL PERFORM ALL WORK INCLUDING RESTORATION FOR THE IMPROVEMENTS SHOWN OR IMPLIED AS NECESSARY.
- THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING UTILITIES, AS SHOWN HEREON, ARE APPROXIMATE ONLY. NO GUARANTEE IS HEREIN MADE OR IMPLIED THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL UTILITY COMPANIES AND TO VERIFY THE TYPE, SIZE, AND LOCATION OF ALL EXISTING UTILITIES PRIOR TO STARTING THE WORK. ANY DISCREPANCIES IN OR FROM THE INFORMATION SHOWN HEREON SHALL BE REPORTED TO THE ENGINEER, PRIOR TO COMMENCING CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION STAKEOUT, ALL DIMENSIONS AND ELEVATIONS SHOWN ON THE CONTRACT DOCUMENTS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO BEGINNING WORK.
- ACCESS BY EMERGENCY VEHICLES MUST BE MAINTAINED AT ALL TIMES. ACCESS TO FIRE HYDRANTS MUST NOT BE IMPEDED AT ANY TIME BY PARKED CARS OR EQUIPMENT, CONSTRUCTION MATERIALS, SOIL STOCKPILES, ETC.
- ALL EXCAVATION AND TRENCHING SHALL BE PERFORMED IN ACCORDANCE WITH OSHA RULES AND REGULATIONS.
- THE CONTRACTOR SHALL ABIDE BY ALL OSHA, FEDERAL, STATE, AND LOCAL REGULATIONS WHEN OPERATING CRANES, BOOMS, HOISTS, ETC. IN CLOSE PROXIMITY TO OVERHEAD ELECTRIC LINES.
- UNLESS OTHERWISE NOTED, ALL PROPOSED ELEVATIONS AS SHOWN HEREIN ARE FINISHED GRADE.
- THE APPROVAL OF THESE PLANS SHALL IN NO WAY RELIEVE THE OWNER OF COMPLYING WITH OTHER APPLICABLE LOCAL, STATE AND FEDERAL REQUIREMENTS.
- ALL SITE/CIVIL IMPROVEMENTS SHALL BE COORDINATED WITH OTHER CONTRACTOR WORK.
- NOTIFICATION OF PROPOSED EXCAVATION, DEMOLITION OR ANY OTHER EARTH DISTURBING ACTIVITIES ARE REQUIRED TO BE PLACED TO WEST VIRGINIA 811 (1-800-245-4848) NOT LESS THAN FORTY EIGHT (48) BUSINESS HOURS BEFORE ANY SUCH WORK IS TO BEGIN. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES PRIOR TO CONSTRUCTION. UTILITIES AS PRESENTED ON DRAWINGS ARE NOT COMPLETE, AND LOCATIONS PRESENTED ARE APPROXIMATE. CONTRACTOR IS CAUTIONED OF THE PRESENCE OF HIGH PRESSURE GAS LINES IN THE PROPOSED AREA OF CONSTRUCTION. UTILITY LINES SHOWN ON THE DRAWINGS ARE APPROXIMATE (BASED ON VISUAL OBSERVATIONS, DRAWINGS PROVIDED BY VARIOUS UTILITY COMPANIES, OR IDENTIFIED IN THE FIELD OR VERBAL COMMUNICATION PROVIDED BY VARIOUS UTILITY COMPANIES, W.V.D.O.H., ETC.) AND MAY NOT BE COMPLETE. OTHER UTILITY LINES MAY EXIST THAT ARE NOT SHOWN ON THE DRAWINGS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING THE LOCATION OF ALL EXISTING UNDERGROUND UTILITY LINES AHEAD OF THEIR WORK BY WHATEVER MEANS NECESSARY TO AVOID CONFLICTS WITH AND DAMAGES TO EXISTING UNDERGROUND UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE UTILITY COMPANIES, PRIOR TO CONSTRUCTION TO OBTAIN UTILITY LOCATIONS AND PERFORMING EXPLORATORY WORK TO DETERMINE SUBSURFACE MATERIALS AND STRUCTURES THAT MAY AFFECT THE WORK.
- CONTRACTOR SHALL MAINTAIN THE SITE IN A MANNER SO THAT WORKMEN AND PUBLIC SHALL BE PROTECTED FROM INJURY, AND ADJOINING PROPERTY PROTECTED FROM DAMAGE. CONTRACTOR SHALL KEEP THE WORK AREA FREE FROM ACCUMULATION OF WASTE MATERIAL OR RUBBISH CAUSED BY THEIR EMPLOYEES OR WORK. UPON COMPLETION OF WORK, CONTRACTOR SHALL REMOVE ALL RUBBISH FROM AND ABOUT THE PREMISES AND ALL TOOLS, EQUIPMENT, APPARATUS AND SURPLUS MATERIAL. THE CONSTRUCTION SITE SHALL BE LEFT CLEAN TO THE OWNER'S SATISFACTION.
- CONTRACTOR SHALL KEEP MATERIALS/EQUIPMENT/STAGING AREA AWAY FROM THE EXISTING WALL BEFORE DEMOLITION AND AWAY FROM THE PROPOSED WALL DURING CONSTRUCTION.

EROSION AND SEDIMENT CONTROL

- EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE PRIOR TO PERFORMING ANY EARTH DISTURBANCE ACTIVITIES.
- ALL EXISTING AND PROPOSED EROSION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH THE EXISTING STORM WATER AND/OR EROSION/SEDIMENT CONTROL PERMIT AS WELL AS THE WV/NPDES CONSTRUCTION STORM WATER GENERAL PERMIT NO. WV0115924 ISSUED BY THE WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AND INFORMATION PROVIDED IN THE APPROVED PLANS. THESE MEASURES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION BY THE CONTRACTOR UNTIL THE PROJECT IS COMPLETED AND PERMANENT VEGETATION AND STABILIZATION HAS BEEN ESTABLISHED. THE CONTRACTOR SHALL BE REQUIRED TO COMPLY WITH MAINTENANCE AND/OR REPLACEMENT OF EROSION CONTROL MEASURES AS DETERMINED BY THE ENGINEER AND/OR THE INSPECTOR UNTIL PROJECT IS ACCEPTED OR THE EROSION CONTROL MEASURES ARE NO LONGER NEEDED.
- AT A MINIMUM INSPECTIONS OF ALL EROSION AND SEDIMENT CONTROLS DEVICES AND STRUCTURES WILL BE CONDUCTED EVERY SEVEN (7) DAYS AND WITHIN 24 HOURS OF A RAIN EVENT OF 0.5 INCHES OR GREATER OF RAINFALL IN 24 HOURS.
- EXCEPT AS NOTED BELOW, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN SEVEN DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS PERMANENTLY CEASED.
- WHERE THE INITIATION OF STABILIZATION MEASURES BY THE SEVENTH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASES IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS CONDITIONS ALLOW.
- WHERE CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN 14 DAYS FROM WHEN ACTIVITIES CEASED, (E.G., THE TOTAL TIME PERIOD THAT CONSTRUCTION ACTIVITY IS TEMPORARILY HALTED IS LESS THAN 14 DAYS) THEN STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE BY THE SEVENTH DAY AFTER CONSTRUCTION ACTIVITIES HAVE TEMPORARILY CEASED.
- AREAS WHERE THE SEED HAS FAILED TO GERMINATE ADEQUATELY (UNIFORM PERENNIAL VEGETATIVE COVER WITH A DENSITY OF 70%) WITHIN 30 DAYS AFTER SEEDING AND MULCHING MUST BE RESEEDD IMMEDIATELY OR AS SOON AS THE WEATHER CONDITIONS ALLOW.
- EROSION AND SEDIMENT CONTROL DETAILS NOT SHOWN IN THE PLANS SHALL BE IN ACCORDANCE WITH THE WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION EROSION AND SEDIMENT CONTROL MANUAL, LATEST EDITION.

PAVING

- AGGREGATE USED IN BASE COURSES SHALL BE CONSTRUCTED ON AN APPROVED SUBGRADE FREE OF ORGANIC MATTER. AGGREGATE SHALL BE PLACED AND COMPACTED IN A MOIST CONDITION SO THAT THE FINES REMAIN MIXED WITH THE COARSER MATERIAL.
- ASPHALTIC CONCRETE, WHERE APPLICABLE, SHALL BE APPLIED TO THE PREPARED GRAVEL SUBBASE FOLLOWING THE APPLICATION OF A LIQUID ASPHALT PRIME COAT. ASPHALT SHALL CONSIST OF THE PLANT-MIXED BITUMINOUS MATERIAL ROLLED SMOOTH. THE ASPHALT SURFACE SHALL BE SMOOTH, SEAMLESS AND OF A UNIFORM TEXTURE. ASPHALT MATERIAL SHALL COMPLY WITH THE MINIMUM SPECIFICATIONS REQUIRED BY THE WVDOT ROAD AND BRIDGE SPECIFICATIONS MANUAL.
- ALL ASPHALT TO ASPHALT AND ASPHALT TO CONCRETE JOINTS SHALL BE SEALED IN ACCORDANCE WVDOT SPECIFICATIONS.

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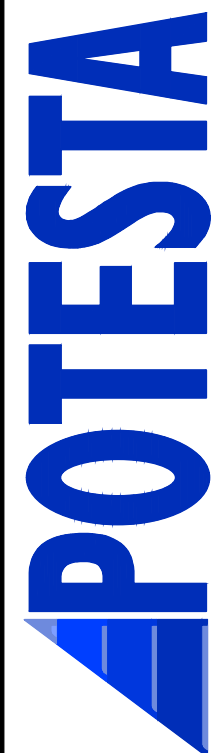
GRADING/EARTHWORK

- ANY UNUSUAL SUBSURFACE CONDITIONS ENCOUNTERED DURING THE COURSE OF THE WORK SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER.
- ALL MATERIALS USED FOR FILL OR BACKFILL SHALL BE FREE OF ANY DEBRIS, WASTE, OR FROZEN MATERIALS, AND SHALL CONTAIN LESS THAN TWO PERCENT (2%) VEGETATIVE ORGANIC MATERIALS BY WEIGHT. ANY ISOLATED VEGETATIVE ORGANIC MATERIAL THAT IS GREATER THEN TWO (2) INCHES IN DIAMETER SHALL BE REMOVED FROM THE FILL MATERIAL AND AREAS PRIOR TO PLACEMENT OF FILL. ALL FILL MATERIAL SHALL BE FREE OF ROCK LARGER THAN SIX (6) INCHES IN ANY DIMENSION. ALL PROPOSED FILL MATERIAL SHALL BE APPROVED BY A PROFESSIONAL ENGINEER OR QUALIFIED REPRESENTATIVE PRIOR TO PLACEMENT. REPRESENTATIVE SAMPLES OF PROPOSED FILL MATERIAL SHALL BE PROVIDED BY THE CONTRACTOR A MINIMUM OF ONE (1) WEEK PRIOR TO THE PLACEMENT OF PROPOSED MATERIAL TO ALLOW ADEQUATE TIME FOR LABORATORY TESTING.
- SATISFACTORY MATERIAL FOR USE AS FILL INCLUDE MATERIALS CLASSIFIED IN ASTM D-2487 AS GW, GM, GC, SW, SM, SC, ML AND CL GROUPS. THE MOISTURE CONTENT SHALL BE CONTROLLED WITHIN PLUS OR MINUS 2 PERCENTAGE POINTS OF OPTIMUM TO FACILITATE COMPACTION. GENERALLY, UNSATISFACTORY MATERIALS INCLUDE MATERIALS CLASSIFIED IN ASTM D-2487 AS PT, CH, MH, OL, OH, AND ANY SOIL TOO WET TO FACILITATE COMPACTION, CH AND MH SOILS MAY BE USED SUBJECT TO RESULTS OF LABORATORY TESTS.
- AFTER COMPLETION OF TESTING AND/OR BEARING EVALUATION AND PROVIDED THAT A FIRM, STABLE SUBGRADE IS PRESENT, FILL SHOULD BE PLACED AND COMPACTED IN ACCORDANCE WITH THE FOLLOWING CRITERIA:
  - FREE WATER SHALL BE PREVENTED FROM APPEARING ON THE SURFACE DURING OR SUBSEQUENT TO COMPACTION OPERATIONS.
  - ALL FILL MATERIAL COMPACTED BY HAND-OPERATED TAMPERS OR LIGHT COMPACTION EQUIPMENT SHALL BE PLACED IN MAXIMUM 8-INCH LOOSE LIFTS. VIBRATORY COMPACTION EQUIPMENT SHALL BE USED FOR GRANULAR MATERIAL, AND SLOTTED STEEL-WHEEL OR SHEEPSFOOT ROLLERS SHALL BE USED FOR COHESIVE, FINE-GRAINED SOILS.
  - EACH FILL LAYER SHALL BE MOISTENED OR AERATED AS NECESSARY TO OBTAIN THE REQUIRED COMPACTION, SOIL MATERIAL WHICH IS REMOVED BECAUSE IT IS TOO WET TO PERMIT PROPER COMPACTION CAN BE STOCKPILED OR SPREAD AND ALLOWED TO DRY. WHEN THE SOIL IS TOO DRY, WATER SHOULD BE APPLIED UNIFORMLY TO THE SUBGRADE SURFACE OR TO THE LAYER TO BE COMPACTED.
  - ALL NEW FILL PLACED IN STRUCTURAL AREAS FOR THE PROJECT SHALL BE COMPACTED TO AT LEAST 98 PERCENT OF THE LABORATORY MAXIMUM DRY DENSITY AS DETERMINED BY THE STANDARD PROCTOR METHOD (ASTM D-698). THE MOISTURE CONTENT OF THE SOIL SHALL BE AT OR WITHIN TWO (2) PERCENTAGE POINTS OF THE OPTIMUM MOISTURE CONTENT.
- FIELD DENSITY TESTS ON THE BUILDING SITE SHALL BE PERFORMED IN ACCORDANCE WITH ASTM D-6938 (NUCLEAR METHOD). FREQUENCY OF TESTING SHALL BE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS.
- BACKFILL ADJACENT TO PIPES OR STRUCTURES SHALL BE OF THE TYPE AND QUALITY CONFORMING TO THAT SPECIFIED FOR THE ADJOINING FILL MATERIAL. THE FILL SHALL BE PLACED IN HORIZONTAL LAYERS NOT TO EXCEED 4" (IN) THICKNESS AND COMPACTED BY HAND TAMPERS OR OTHER SUITABLE COMPACTION EQUIPMENT. THE MATERIAL NEEDS TO FILL COMPLETELY ALL SPACES UNDER AND ADJACENT TO THE PIPE, AT NO TIME DURING THE BACKFILL OPERATION SHALL DRIVEN EQUIPMENT BE ALLOWED TO OPERATE CLOSER THAN 4 FEET MEASURED HORIZONTALLY, TO ANY PART OF A STRUCTURE. UNDER NO CIRCUMSTANCES SHALL EQUIPMENT BE DRIVEN OVER ANY PART OF A CONCRETE STRUCTURE OR PIPE, UNLESS THERE IS A COMPACTED FILL OF 24 INCHES OR GREATER OVER THE STRUCTURE OR PIPE.
- ALL EXCAVATION AND FILL PLACEMENT SHALL BE TO THE LINES AND GRADES AS SHOWN ON THESE CONSTRUCTION PLANS. CHANGES OR REVISIONS TO THESE CONSTRUCTION PLANS SHALL NOT BE MADE WITHOUT APPROVAL BY THE OWNER, ENGINEER AND ALL APPLICABLE REGULATORY AGENCIES.
- ALL EXCAVATIONS, INCLUDING TRENCHES, SHALL BE KEPT DRY TO PROTECT THEIR INTEGRITY. IF PUMPING OF AN OPEN TRENCH IS NECESSARY DURING THE COURSE OF CONSTRUCTION, A SEDIMENT FILTER BAG OR OTHER FORM OF FILTERING IS REQUIRED BEFORE DISCHARGING INTO THE STORM SYSTEM.
- CONTRACTOR SHALL ENSURE THAT POSITIVE DRAINAGE ACROSS PAVEMENTS IS PROVIDED AND NO LOW SPOTS OR PUDDLING OCCUR WITHIN THE LIMITS OF WORK UNLESS NATURALLY OCCURRING.
- AREAS OF WET OR SOFT MATERIAL UNDER ROADS OR BUILDINGS SHALL BE OVER-EXCAVATED AND REPLACED WITH SUITABLE MATERIAL AS DIRECTED BY A GEOTECHNICAL ENGINEER.
- IF THE SURFACE SOILS SOFTEN OR FREEZE DURING THE FILL PLACEMENT OPERATIONS DUE TO WET WEATHER OR COLD CONDITIONS, THESE SOILS SHOULD BE REMOVED BEFORE ADDITIONAL FILL IS PLACED.
- THE CONTRACTOR SHALL ADVISE THE ENGINEER OF ANY EXISTING SUBSURFACE SPRINGS OR DRAINS ENCOUNTERED DURING THE COURSE OF CONSTRUCTION, SO THAT ADEQUATE PROVISIONS MAY BE MADE TO EXTEND AND/OR CONNECT THE SPRING AND/OR DRAIN TO THE NEAREST EXISTING OR PROPOSED STORM DRAINAGE STRUCTURE.
- CONTRACTOR TO MAINTAIN LIMITS OF CLEARING AND GRADING AND ENSURE CONSTRUCTION MATERIALS AND DEBRIS ARE CONFINED WITHIN THE CLEARING AND GRADING LIMITS AS SHOWN TO PRECLUDE ANY OFFSITE DISTURBANCE TO EXISTING VEGETATION AND/OR SLOPES ADJACENT TO THE SITE.
- DO NOT DEPOSIT OR BURY ON THE SITE DEBRIS RESULTING FROM THE CLEARING AND GRUBBING, TREES, LOGS, BRANCHES, STUMPS, AND OTHER DEBRIS. RESULTING FROM CLEARING AND GRUBBING OPERATIONS SHALL NOT BE USED IN STRUCTURAL FILL AND IS TO BECOME THE PROPERTY OF THE CONTRACTOR.
- STRIP TOPSOIL TO WHATEVER DEPTH IT MAY OCCUR FROM AREAS TO BE EXCAVATED, FILLED, OR GRADED IN A MANNER TO PREVENT INTERMIXING WITH UNDERLYING SUBSOIL OR WASTE MATERIALS. STOCKPILE TOPSOIL FOR USE IN FINISH GRADING, SEEDING, AND LANDSCAPING. STOCKPILE AWAY FROM EDGE OF EXCAVATIONS WITHOUT INTERMIXING WITH SUBSOIL, GRADE AND SHAPE STOCKPILES TO DRAIN SURFACE WATER. PROTECT TOPSOIL STOCKPILES USING EROSION AND SEDIMENT CONTROL MEASURES AS DIRECTED BY THE ENGINEER.
- ALL TOPSOIL SHALL BE STRIPPED IN ALL AREAS OF CUT AND FILL. THE CONTRACTOR SHALL STOCKPILE AND RE-SPREAD SUFFICIENT TOPSOIL ON ALL DISTURBED AREAS TO BE SODDED, SEEDED, AND LANDSCAPED. STOCKPILE LOCATION SHALL BE APPROVED BY THE ENGINEER.
- LETTERS OF PERMISSION AND REGULATORY COMPLIANCE IS REQUIRED FOR OFFSITE CLEARING, GRADING, AND/OR BORROW.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY CORNERS. THE CONTRACTOR WILL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY CORNERS WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS, SUCH CORNERS SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR IN ACCORDANCE WITH STATE LAWS.
- AFTER ACHIEVING FINISHED SUBGRADE IN CUT AREAS AND PRIOR TO PLACING FILL IN ANY AREAS BELOW FINISHED SUBGRADE, THE EXPOSED SUBGRADE SHOULD BE EVALUATED TO CONFIRM THAT ALL UNSUITABLE MATERIALS HAVE BEEN REMOVED. DURING THIS EVALUATION THOSE AREAS WHICH ARE AT FINISHED SUBGRADE OR AREAS TO RECEIVE FILL SHOULD BE PROOF-ROLLED WITH A LOADED TANDEM-AXLE DUMP TRUCK OR SIMILAR PNEUMATIC-TIRED EQUIPMENT WITH A MINIMUM WEIGHT OF 15 TONS AND A MAXIMUM WEIGHT OF 25 TONS. PROOF-ROLLING WILL HELP REVEAL THE PRESENCE OF UNSTABLE MATERIALS, WHICH WERE NOT PREVIOUSLY IDENTIFIED.
- IT IS RECOMMENDED THAT A GEOTECHNICAL ENGINEER OBSERVE ALL PROOF-ROLLING ACTIVITIES. ANY AREAS DESIGNATED AS BEING UNDERLAIN BY UNSUITABLE MATERIALS SHOULD BE CORRECTED AS SUGGESTED BY THE GEOTECHNICAL ENGINEER. IN GENERAL, CORRECTION OF UNSTABLE AREAS WILL REQUIRE UNDERCUTTING TO A FIRM MATERIAL AND REPLACEMENT WITH PROPERLY COMPACTED ENGINEERED FILL.
- PERMANENT FILL SLOPES SHOULD NOT BE CONSTRUCTED STEEPER THAN 2:1 WHEN CONSTRUCTED OUT OF ACCEPTABLE MATERIALS AND PLACED AS A CONTROLLED ENGINEERED FILL. THESE SLOPES SHOULD ALSO HAVE A VEGETATION COVER TO PROTECT AGAINST EROSION.
- SURFACE AREAS WHERE FILL MATERIAL IS REQUIRED TO BE PLACED ON EXISTING GRADES THAT ARE LEVEL AND/OR WITH SLOPES THAT ARE NOT STEEPER THAN 5:1, SHALL BE PREPARED AFTER REMOVING UNSUITABLE MATERIALS BY SCARIFYING THE GROUND TO PROVIDE A BOND WITH THE FILL MATERIAL.
- FOR AREAS IN WHICH FILL MATERIAL IS TO BE PLACED ON EXISTING GRADES WITH SLOPES STEEPER THAN 5:1 AND THE PROPOSED DEPTH OF THE FILL EXCEEDS 5.0 FEET, THE AREA SHALL BE CONSTRUCTED UTILIZING APPROVED BONDING BENCHES AND TOE KEY CONFIGURATION AND SHALL UTILIZE SUBSURFACE DRAINAGE. SUBSURFACE DRAINAGE SHALL BE INSTALLED IN A MANNER TO ENSURE THAT THE FILL MATERIALS DO NOT BECOME SATURATED AND DESTABILIZED FROM NATURAL AND/OR ARTIFICIALLY INTRODUCED GROUNDWATER. SILVER FILLS SHOULD BE AVOIDED DUE TO THEIR DIFFICULTY TO COMPACT PROPERLY AND THEIR POTENTIAL TO BECOME UNSTABLE.
- ALL EARTHWORK SHOULD BE PERFORMED UNDER THE SUPERVISION OF THE GEOTECHNICAL ENGINEER ASSISTED BY A CERTIFIED SOILS ENGINEERING TECHNICIAN TO CONFIRM THE SPECIFIED DEGREE OF COMPACTION IS BEING ACHIEVED.
- AREAS DESIGNATED FOR BORROW AREAS, EMBANKMENT, AND STRUCTURAL WORKS SHALL BE CLEARED, GRUBBED AND STRIPPED OF TOPSOIL. ALL TREES, VEGETATION, ROOTS AND OTHER UNSUITABLE MATERIAL SHALL BE REMOVED. CHANNEL BANKS AND SHARP BREAKS SHALL BE SLOPED TO NO STEEPER THAN 2:1.
- THE DESIGNATION OF EXCESS WASTE DISPOSAL AND CONSTRUCTION STAGING AREAS, WHICH MAY BE REQUIRED, BUT ARE NOT NOTED ON THE PLANS, ARE THE RESPONSIBILITY OF THE CONTRACTOR. ALL CONSTRUCTION DEBRIS, INCLUDING EXCESS EXCAVATED MATERIAL, ASPHALT, CONCRETE, SCRAP WOOD, ETC. SHALL BE DISPOSED OFF-SITE BY THE CONTRACTOR IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.
- ANY CONSTRUCTION METHOD OR MATERIAL THAT IS NOT COVERED IN THESE CONTRACT DOCUMENTS WILL BE COVERED BY WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS STANDARD SPECIFICATIONS, ROADS AND BRIDGES, ADOPTED 2010 AND THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS, SUPPLEMENTAL SPECIFICATIONS DATED JANUARY 1, 2012, STANDARD DETAILS VOLUME I DATED JANUARY 1, 2000 AND VOLUME II DATED JANUARY 1, 1994. THE CONTRACT DOCUMENTS AND CONTRACT PLANS ARE THE GOVERNING PROVISIONS APPLICABLE TO THIS PROJECT.



DESIGN
CAD File No.
SAB
Drawn
JJS
Checked
DBS
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NOTED
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MARCH 2020
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0102-19-0058
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MORGANTOWN PARKING AUTHORITY  
300 SPRUCE STREET  
MORGANTOWN, WV 26505

GENERAL NOTES  
300 SPRUCE STREET  
ARMORY LOT RETAINING WALL  
MONONGALIA COUNTY, WV

2  
Drawing No.

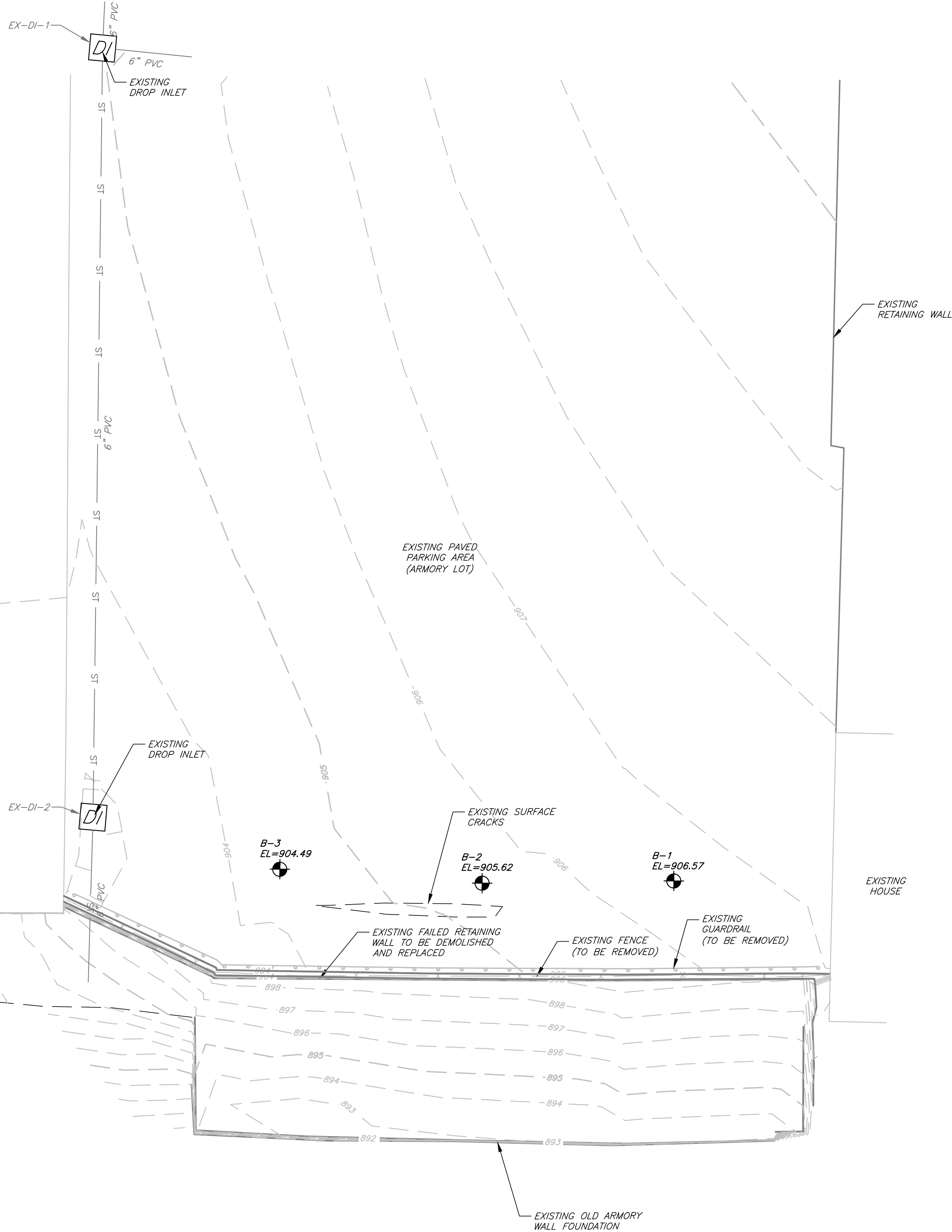
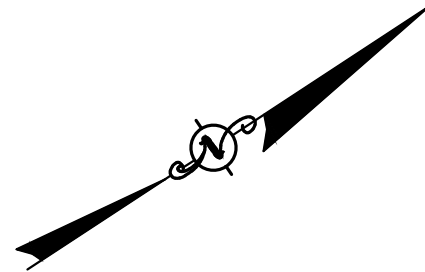
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Client

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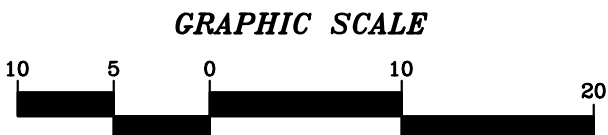


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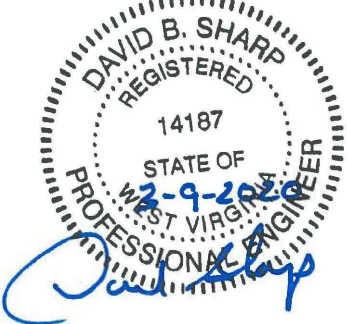


No.	Date	Eng.	Revision

LEGEND	
SYMBOL	DESCRIPTION
---	EXISTING CONTOUR (MAJOR)
---	EXISTING CONTOUR (MINOR)
---	EXISTING CONTOUR - DEPRESSED (MAJOR)
---	EXISTING CONTOUR - DEPRESSED (MINOR)
[Hatched Box]	EXISTING BUILDING/STRUCTURE
[Hatched Box]	EXISTING RETAINING WALL
X	EXISTING FENCE LINE
---	EXISTING EDGE OF PAVEMENT
---	EXISTING GUARDRAIL
---	EXISTING SIDEWALK
ST	EXISTING STORM LINE
[DI]	EXISTING DROP INLET



MAPPING REFERENCE:  
INFORMATION SHOWN HEREON WAS PRODUCED FROM INFORMATION COLLECTED BY  
POTESTA FIELD CREW ON 5/16/19. HORIZONTAL AND VERTICAL CONTROL ESTABLISHED  
UTILIZING GPS O.P.U.S. SOLUTIONS TAKEN ON SITE.  
HORIZONTAL DATUM = WV NORTH ZONE NAD-83.  
VERTICAL DATUM = NAVD-88.



ISSUE DATE 03/09/2020

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CAD File No.	SAB
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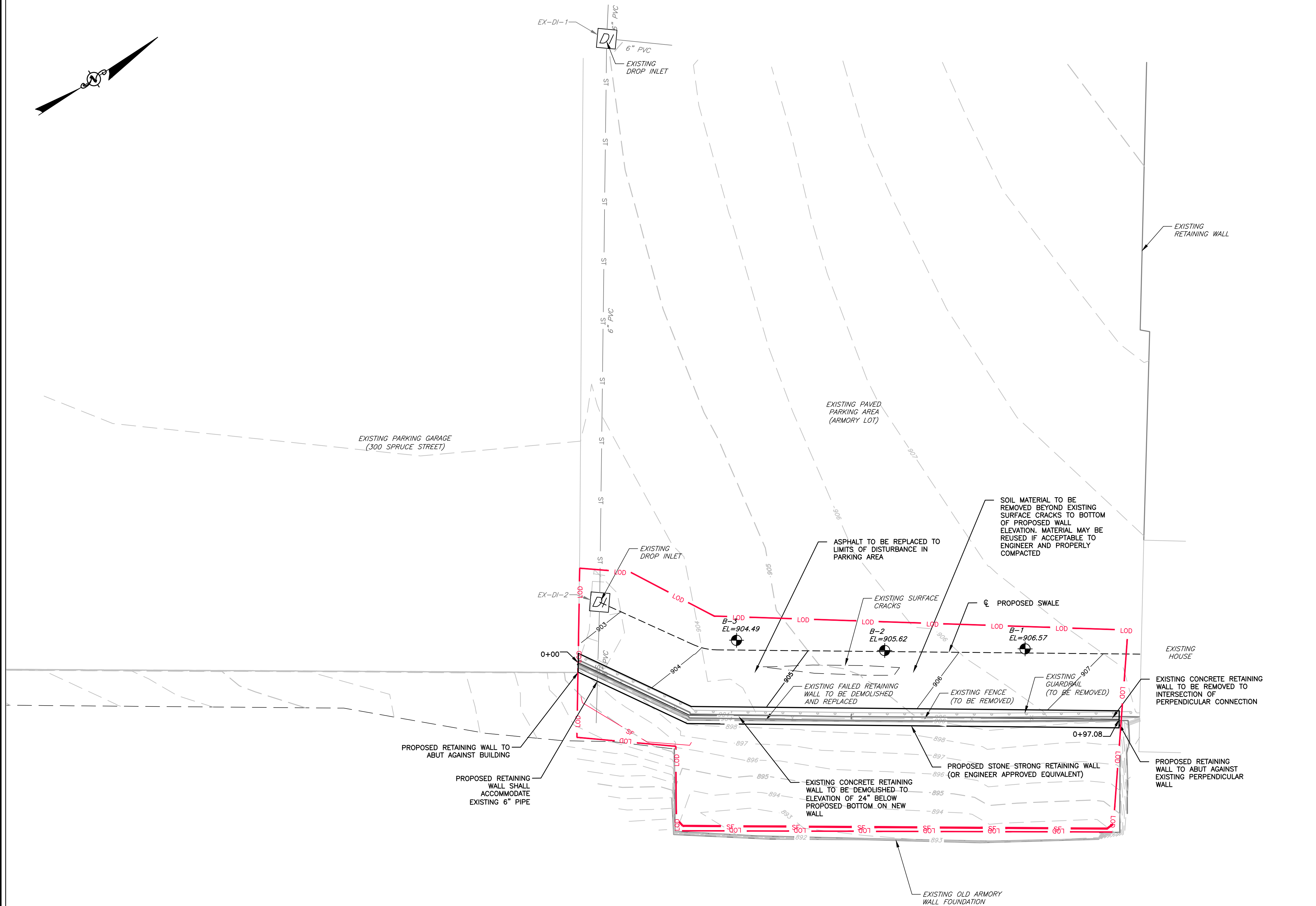


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**EXISTING CONDITIONS**  
300 SPRUCE STREET  
ARMORY LOT RETAINING WALL  
MONONGALIA COUNTY, WV

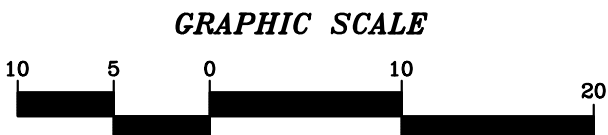
Drawing No. **3**

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Plot Date/Time: Mar 10, 2020 - 3:28pm  
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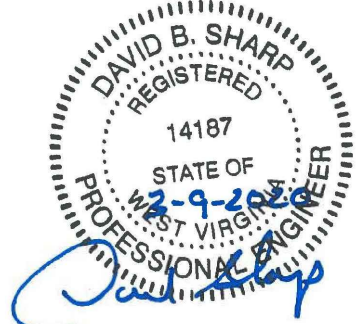


No.	Date	Eng.	Revision

LEGEND	
SYMBOL	DESCRIPTION
---	EXISTING CONTOUR (MAJOR)
---	EXISTING CONTOUR (MINOR)
---	EXISTING CONTOUR - DEPRESSED (MAJOR)
---	EXISTING CONTOUR - DEPRESSED (MINOR)
---	EXISTING BUILDING/STRUCTURE
---	EXISTING RETAINING WALL
X	EXISTING FENCE LINE
---	EXISTING EDGE OF PAVEMENT
---	EXISTING GUARDRAIL
---	EXISTING SIDEWALK
ST	EXISTING STORM LINE
DI	EXISTING DROP INLET
---	PROPOSED CONTOUR (MAJOR)
---	PROPOSED CONTOUR (MINOR)
---	PROPOSED LIMITS OF DISTURBANCE
SF	PROPOSED SILT FENCE
---	PROPOSED RETAINING WALL



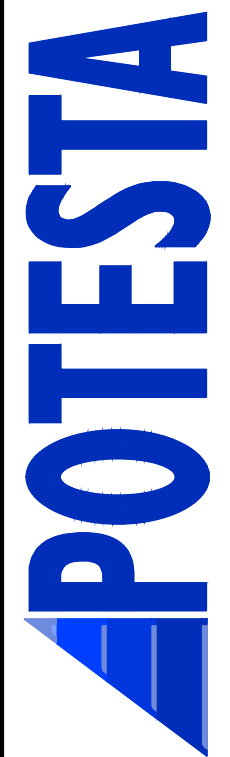
MAPPING REFERENCE:  
INFORMATION SHOWN HEREON WAS PRODUCED FROM INFORMATION COLLECTED BY  
POTESTA FIELD CREW ON 5/16/19. HORIZONTAL AND VERTICAL CONTROL ESTABLISHED  
UTILIZING GPS O.P.U.S. SOLUTIONS TAKEN ON SITE.  
HORIZONTAL DATUM = WV NORTH ZONE NAD-83.  
VERTICAL DATUM = NAVD-88.



ISSUE DATE 03/09/2020

DESIGN  
CAD File No.  
SAB  
Drawn  
JJS  
Checked  
DBS  
Approved  
NOTED  
Scale:  
MARCH 2020  
Date:  
0102-19-0058  
Project No.

POTESTA & ASSOCIATES, INC.  
ENGINEERS AND ENVIRONMENTAL CONSULTANTS  
125 Lakeview Drive, Morgantown, WV 26508  
TEL: (304) 255-2245 FAX: (304) 225-2246  
E-Mail Address: potesta@potesta.com



Client  
MORGANTOWN PARKING AUTHORITY  
300 SPRUCE STREET  
MORGANTOWN, WV 26505

Title  
PROPOSED SITE PLAN  
300 SPRUCE STREET  
ARMORY LOT RETAINING WALL  
MONONGALIA COUNTY, WV

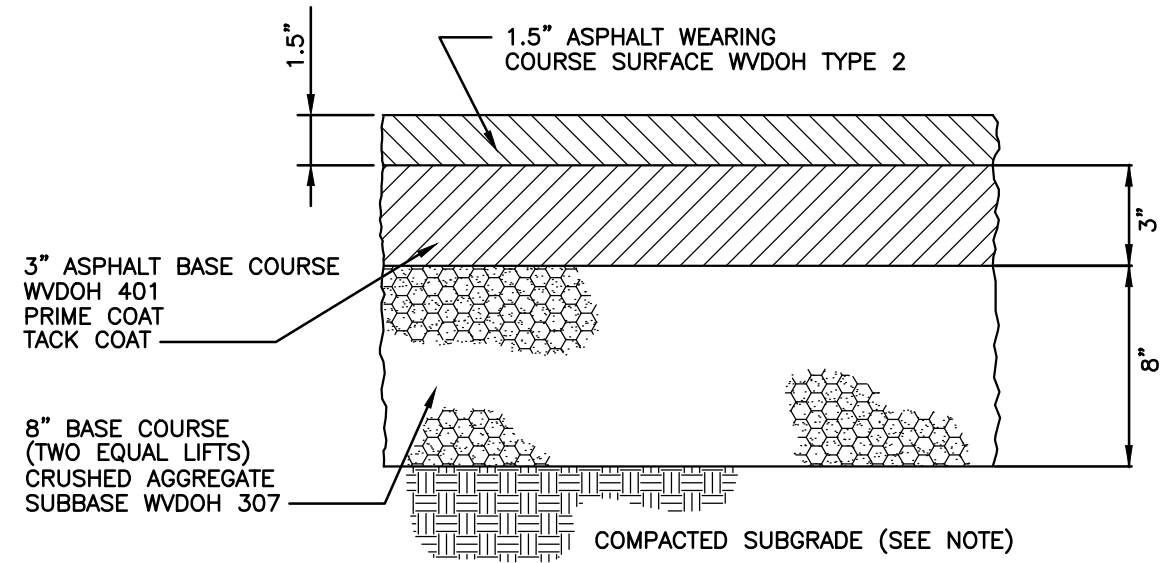
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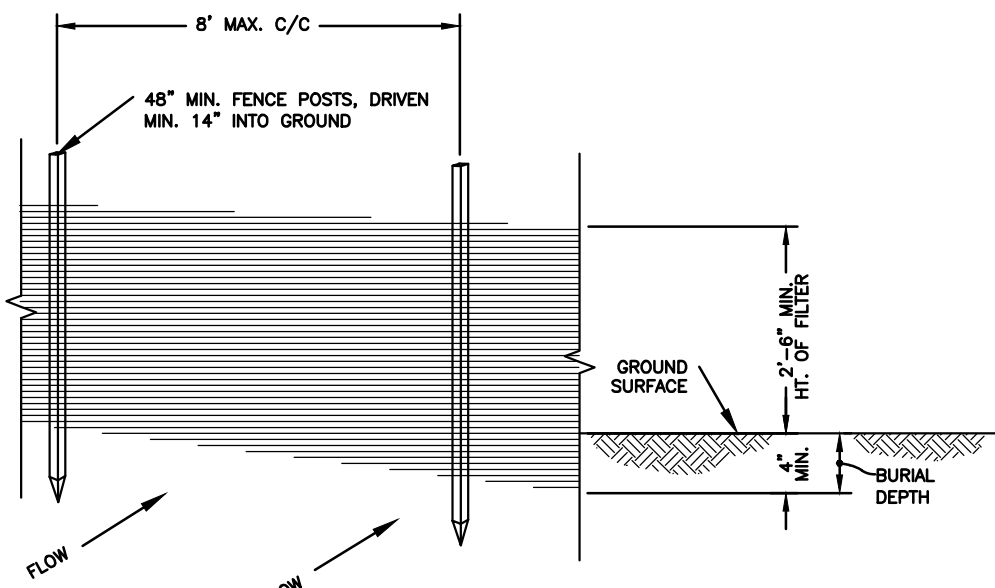
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Plot Date/Time: Mar 10, 2020 - 3:28pm  
Plotted by: jacobson

No.	Date	Revision

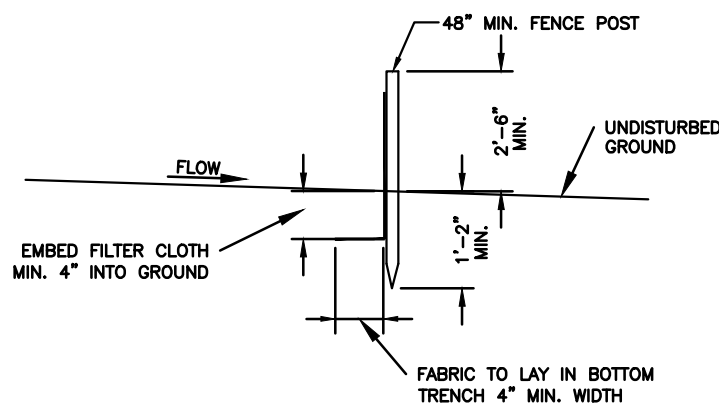
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ASPHALT PAVING DETAIL  
NO SCALE



PERSPECTIVE VIEW

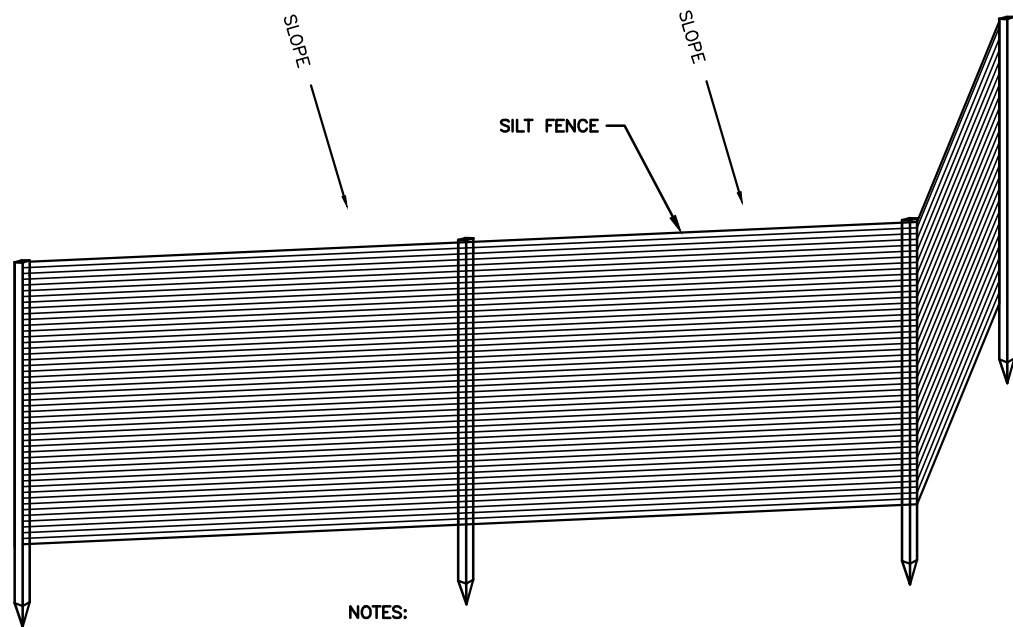


SECTION

NOTES:

1. WHEN TWO SECTIONS OF SILT FENCE JOIN, OVERLAP ACCORDING TO MANUFACTURERS PUBLISHED RECOMMENDATIONS.
2. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE, OR WHEN HALF OF EXPOSED SILT FENCE IS COVERED WITH SEDIMENT.
3. POSTS SHALL BE CONSTRUCTED OF STEEL EITHER "I" OR "U" TYPE OR 1.5" HARDWOOD.
4. FILTER CLOTH SHALL BE "FILTER X", "MIRAFI 100X", "LINQ QTF 180" OR APPROVED EQUAL.
5. ALL SILT FENCE SHALL BE CHECKED AFTER ANY SIGNIFICANT RAINFALL (IN EXCESS OF 1/2"). DAMAGED SILT FENCE MUST BE REPAIRED WITHIN 24 HOURS; SOONER, IF ADDITIONAL RAINFALL IS EXPECTED.

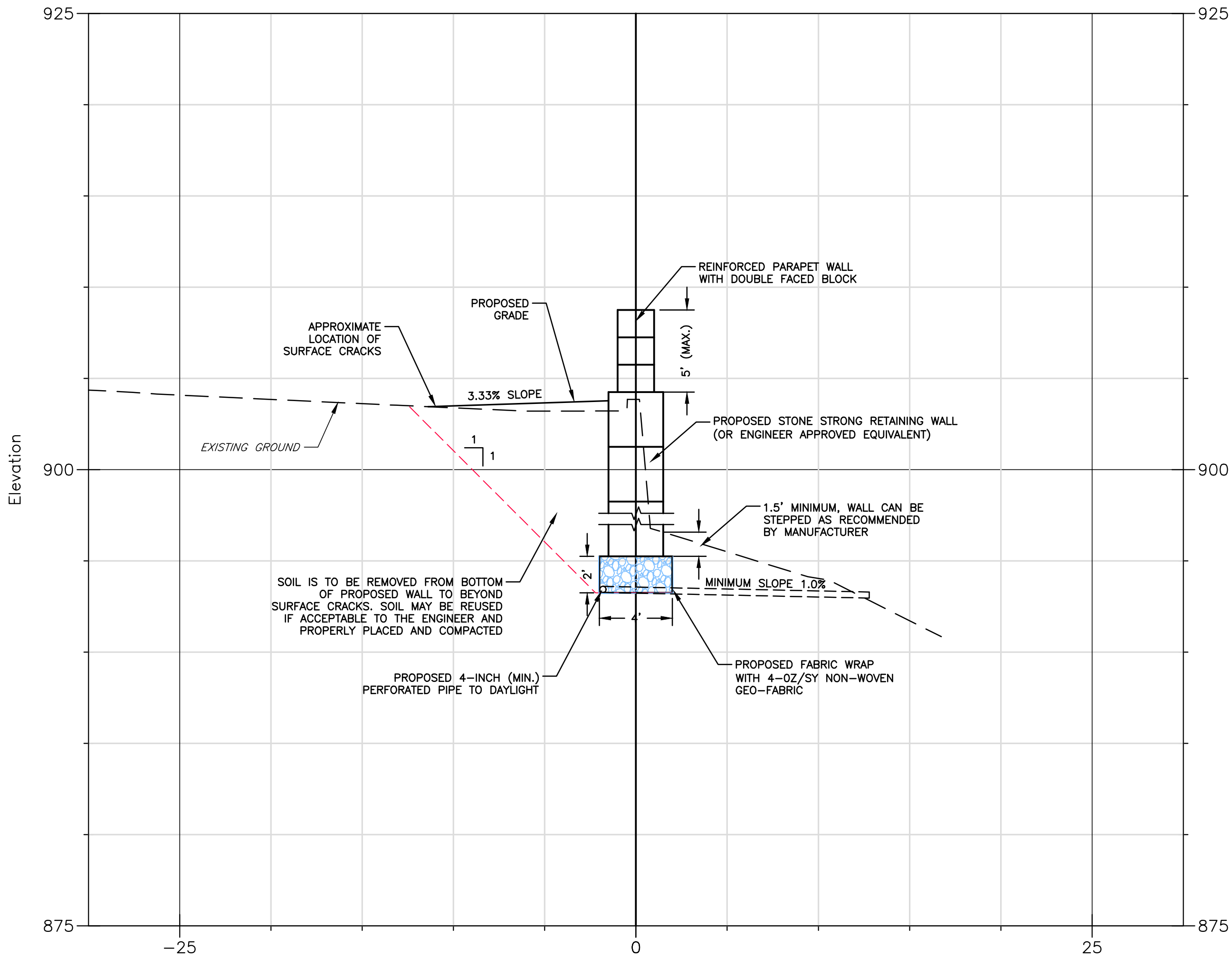
SILT FENCE DETAIL  
NO SCALE



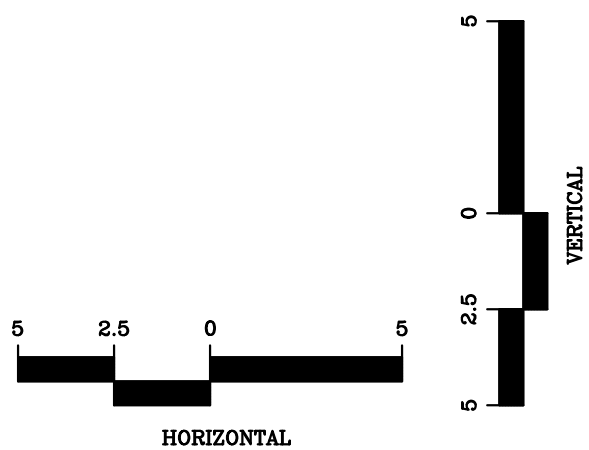
NOTES:

1. SILT FENCE IS TO BE PLACED PARALLEL TO CONTOUR LINES.
2. AT THE END OF SILT FENCE RUNS, THE LAST SEGMENT IS TO BE PLACED IN SUCH A MANNER TO RUN SLIGHTLY UP THE CONTOUR, CREATING A "J-HOOK" AND PREVENTING SEDIMENT-LADEN WATER FROM PASSING AROUND SILT FENCE.

SILT FENCE "J-HOOK" DETAIL  
NO SCALE



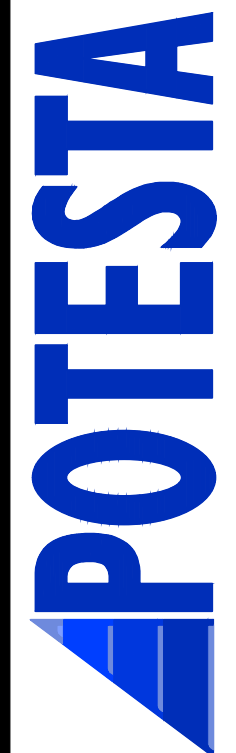
TYPICAL SECTION



ISSUE DATE 03/09/2020

Client  
MORGANTOWN PARKING AUTHORITY  
300 SPRUCE STREET  
MORGANTOWN, WV 26505

Typical Section and Details  
300 SPRUCE STREET  
ARMORY LOT RETAINING WALL  
MONONGALIA COUNTY, WV



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